

## Conversion Instructions, Julian Battery Pack

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## 1 Application

The conversion kit is required to swap the batteries out of the power pack 8601619 in order to obtain longer battery life in future.

## 2 Supply package

The "Battery Pack Julian" 8601766, ST conversion kit comprises the following items:

- 1 set of conversion instructions
- 1 battery pack with fixture 8601764
- 1 cable
- 2 cable ties
- 1 resistor 1.5 k $\Omega$ / 1Watt
- Screws and washers

## 3 Tools/test equipment

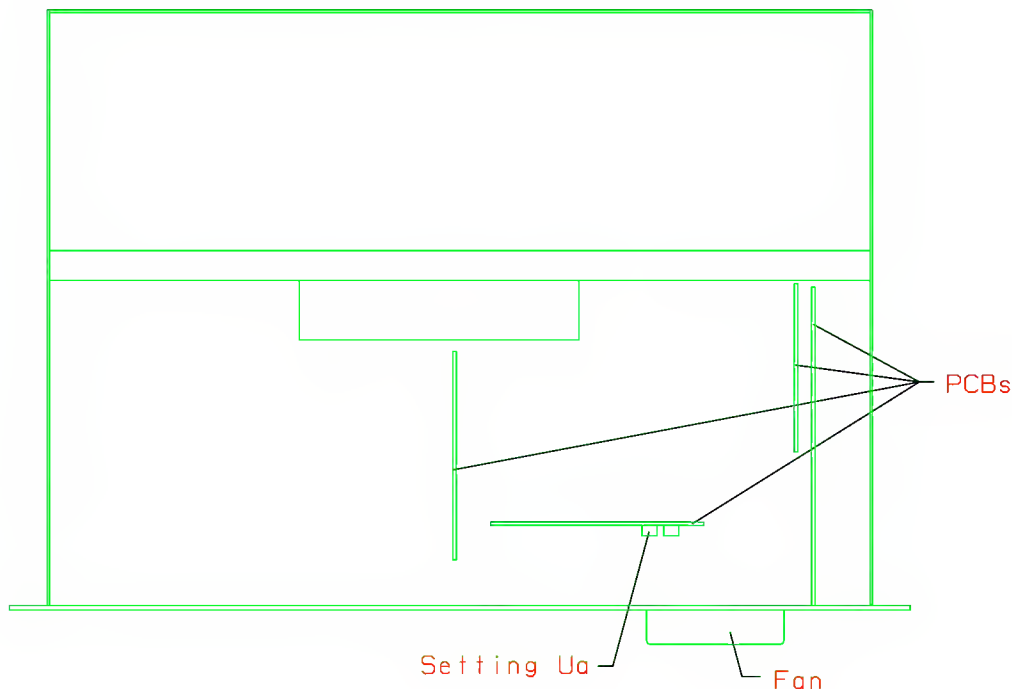
Basic tool and test equipment kit, including

Power drill	7901604
Centre bit	7900467
Set of twist drills	7910288
Digitalmultimeter	7901021

## 4 Conversion for power packs without inlet connector for non-heating apparatus

- 1) Remove the power pack from the Julian. Refer to the Microfiche repair instructions.
- 2) Open the power pack and take out the batteries, using a large screwdriver to lever them off of the double-sided adhesive tape. Dispose of the batteries in an environmentally friendly manner.

- 3) Unscrew the battery cable from the pcb (making a note of the polarity) and cut it off at the battery switch.
- 4) Guide the supplied cable with screw terminals through the hole in the battery switch and connect it to the pcb contacts, paying attention to the correct polarity.
- 5) Checking the end-of-charge voltage:  
Connect the supplied 1.5kOhm/ 1Watt resistor to the power pack output. Connect the power pack to the mains power and switch it on. Measure the voltage on the battery cable and adjust it as necessary to 28.0 V using the regulator (see sketch).



- 6) Close the power pack and install it in the Julian.
- 7) Installing the battery pack :  
Make two drill holes in the housing adjacent to the power pack as shown in the sketch below.

Show the sketch in the appendix.

Detach the batteries from the carrier plate and fit the carrier plate in the Julian. To do so, screw the supplied screws M4\*12 (floor unit) / M4\*30 (ceiling/wall unit) with washers into the carrier plate from below (remove the drawer from the floor unit). Attach the batteries on the carrier plate by rubber bands.

- 8) Plug the battery cable of the power pack on the batteries, paying attention to the correct polarity, and secure it on the rubber band by the supplied cable ties to prevent it

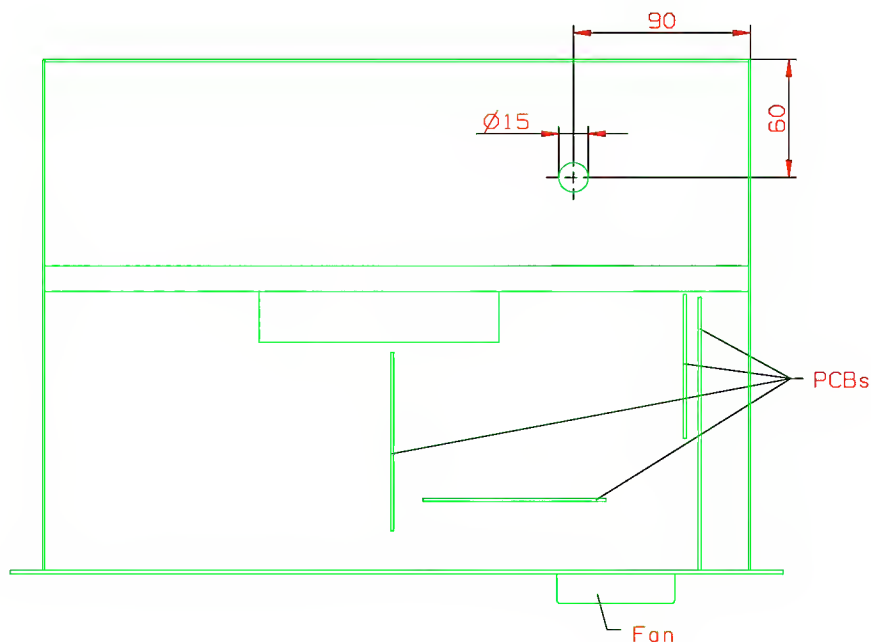
accidentally coming loose.

- 9) Check the functioning of the battery pack by connecting the Julian to the mains power and switching it on. After a short time pull the mains plug. If the backup is operating properly the Julian will continue working without restriction.
- 10) Fully assemble the Julian.

## 5 Conversion for power packs with inlet connector for non-heating apparatus

- 1) Remove the power pack from the Julian. Refer to the Microfiche repair instructions.
- 2) Open the power pack and take out the batteries, using a large screwdriver to lever them off of the double-sided adhesive tape. Dispose of the batteries in an environmentally friendly manner.
- 3) Unscrew the battery cable from the pcb (making a note of the polarity) and cut it off at the battery switch. Dismantle the battery switch.
- 4) Place the power pack horizontal on a firm surface and make a hole in the base plate in the area of the batteries, as shown in the sketch.

Sketch:



- 5) Guide the supplied cable with screw terminals through the hole you made and connect it to the pcb contacts, paying attention to the correct polarity.
- 6) Close the power pack and install it in the Julian.
- 7) Installing the battery pack :  
Make two drill holes in the housing adjacent to the power pack as shown in the sketch below.  
  
Show the sketch in the appendix.  
  
Detach the batteries from the carrier plate and fit the carrier plate in the Julian. To do so, screw the supplied screws M4\*12 (floor unit) / M4\*30 (ceiling/wall unit) with washers into the carrier plate from below (remove the drawer from the floor unit).  
Attach the batteries on the carrier plate by rubber bands.
- 8) Plug the battery cable of the power pack on the batteries, paying attention to the correct polarity, and secure it on the rubber band by the supplied cable ties to prevent it accidentally coming loose.
- 9) Check the functioning of the battery pack by connecting the Julian to the mains power and switching it on. After a short time pull the mains plug. If the backup is operating properly the Julian will continue working without restriction.
- 10) Fully assemble the Julian.

## 6 Final test

After fully assembling the Julian, carry out the electrical safety check according to the test certificate.

## 7 Appendix

Sketch:

